

February 12, 1993

Mr. Pat Churilla
U.S. Environmental Protection Agency
Central Regional Laboratory
536 S. Clark Street
Chicago, IL 60605



RE: Albion-Sheridan Township Landfill, SAS 7652E

Dear Pat:

I just wanted to alert you about potential problems with this data package. The laboratory, PBS&J, was contracted to analyze for BOD, chloride, COD, oil and grease, ammonia, nitrate/nitrite, sulfate, TDS, TKN, TOC, and TSS.

The Lockheed/ESAT reviewer determined that the oil and grease and ammonia analyses are unusable. Therefore, the CRL typically recommends no payment or partial payment for these analyses.

The Lockheed/ESAT reviewer also determined that many of the BOD, nitrate/nitrite, sulfate, TDS, TKN, and TSS are estimated due to laboratory problems. CRL may want to consider partial payment for these analyses, as well.

I would also like to respond to several additional comments made by the reviewer.

On page 4 of 7 of the review, it is stated under the TDS analyses that "insufficient sample amount was provided to the laboratory". The laboratory used 100 ml aliquots for analyses. Also, on page 6 of 7 of the review, it is stated under the TSS analyses that "insufficient sample amount was provided to the laboratory". The laboratory used less than 200 ml. According to our QAPP, we are required to send 1000 ml for the TDS and TSS analyses combined. Therefore, the laboratory should have had approximately 500 ml available to them for the TDS analyses and approximately 500 ml available to them for the TSS analyses.

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Additionally, page 7 of 7 of the data review indicates that there is poor field precision due to out-of-control RPDs. The duplicate analyses of the same samples for TCL organics and TAL inorganics showed good correlation. I would like to suggest that the out-of-control RPDs is likely due to poor laboratory performance (which is documented throughout the data package), rather than poor field protocol.

Thank you for your attention to this matter.

Sincerely yours,

WW ENGINEERING & SCIENCE, INC.

Elyabeth M. Whl

Environmental Services Division

Elizabeth M. Uhl

Site Project Manager

cc:

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Wayne Schalk, WWES

Mary Beth Novy, U.S. EPA RPM